\_\_\_\_\_\_

Sequence Listing was accepted.

If you need help call the Patent Electronic Business Center at (866) 217-9197 (toll free).

Reviewer: Durreshwar Anjum

Timestamp: [year=2008; month=12; day=15; hr=14; min=26; sec=27; ms=87; ]

\_\_\_\_\_\_

## Validated By CRFValidator v 1.0.3

Application No: 10580085 Version No: 2.0

Input Set:

Output Set:

**Started:** 2008-12-02 14:01:40.970

**Finished:** 2008-12-02 14:01:42.193

**Elapsed:** 0 hr(s) 0 min(s) 1 sec(s) 223 ms

Total Warnings: 9

Total Errors: 0

No. of SeqIDs Defined: 18

Actual SeqID Count: 18

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Ser Asp Ser Phe Glu Ser Asp Leu Ser Ser Lys Glu Asn Gln Thr Pro 50 55 60

Leu Phe Glu Asn Ser Ser Val Asn Leu Ser Ser Pro Leu Pro Ile Lys 65 70 75 80

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Glu	Glu 130	Ile	Gln	Met	Glu	Ile 135	Ser	Arg	Leu	Ser	Ser 140	Arg	Leu	Glu	Ala
Leu 145	Arg	Ile	Glu	Lys	Ala 150	Glu	Lys	Thr	Val	Ala 155	Lys	Thr	Val	Glu	Lys 160
Arg	Gly	Arg	Val	Val 165	Ala	Ala	Lys	Phe	Met 170	Glu	Pro	Lys	Gln	Ser 175	Val
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225	_				230					235				Pro	240
				245	_	-	-		250					Gln 255	
			260					265					270	Arg	
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305 310 315 320

Lys Lys Pro Gln Arg Pro Gly Arg Val Val Ala Ser Arg Tyr Asn Gln 325 330 335

Ser Thr Ile Gln Ser Ser Val Val Arg Lys Arg Ser Leu Pro Glu Asn 340 345 350

Asp Lys Asp Glu Ser Lys Arg Asn Asp Lys Lys Arg Ser Leu Ser Val 355 360 365

Gly Lys Thr Arg Val Ser Gln Thr Glu Ser Lys Asn Leu Gly Thr Glu 370 375 380

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Gly Asn Thr Glu Ser Glu Lys Ser Pro Leu Ser Ile Ile Val Lys Pro
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Asp Leu Leu Pro Arg Ile Arg Ile Ala Arg Cys Val Asn Glu Thr Leu 420 425 430

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Glu Val Val Asp Val Ala Ala Gly Tyr Asp Val Glu Ala Glu Ile Gly 50 55 60

His Ile Glu Ala Glu Ile Leu Arg Leu Ser Ser Arg Leu His His Leu 65 70 75 80

Arg Val Ser Lys Gln Pro Glu Pro Asn Arg Asp Asp Ala Pro Met Gly 85 90 95

Glu Met Val Ala Lys Val Arg Pro Arg Pro Arg Gly Leu Ser Leu Gly 100 105 110

Pro Leu Asp Val Ile Ser Ile Val Asn Arg Glu Lys His Pro Leu Arg 115 120 125

Thr Lys Gln Pro Pro Ala Thr Arg Gly Arg Gly Leu Ser Leu Gly Pro 130 135 140

Gln Gln Gln Arg Ala Gly Thr Ala Arg Ile Leu Lys Pro Ile Lys  $165 \hspace{1.5cm} 170 \hspace{1.5cm} 175$ 

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Ile His His Gly Val Gly Ser Lys Ala Pro Ala Ala Ala Arg Ala Lys 195 200 205

Pro Phe Thr Thr Lys Leu Asn Ala Ile Arg Glu Glu Thr Arg Pro Ser 210 215 220

Lys Gln Phe Ala Val Pro Ala Lys Pro Trp Pro Ser Ser Asn Thr Arg 225 230 235 240

Gln Thr Leu Asp Ser Arg Gln Gly Thr Ala Ala Ser Arg Ala Lys Ala 250 Arg Ser Pro Ser Pro Arg Pro Arg Gln Ser Asn Gly Lys Ala Thr 260 265 270 Asp Thr Arg Gly Gly Asn Lys Val Val Asp Glu Leu Lys Pro Lys Gly 275 280 285 Ala Ser Ser Gln Ser Gly Ser Ala Ala Ala Ala Thr Ala Lys 290 295 300 Arg Met Ala Gly Ser Ser Lys Met Arg Val Ile Pro Ser Arg Tyr Ser 310 315 320 Leu Thr Pro Gly Ala Ser Leu Gly Ser Ser Gly Ala Gln Glu Arg Arg 325 330 Arg Lys Gln Ser Leu Pro Gly Ser Ser Gly Asp Ala Asn Gln Asn Glu 340 345 350 Glu Ile Arg Ala Lys Val Ile Glu Pro Ser Asn Asp Pro Leu Ser Pro 360 355 365 Gln Thr Ile Ser Lys Val Ala Glu Met Leu Pro Lys Ile Arg Thr Met 370 375 380 Pro Pro Asp Glu Ser Pro Asp Ser Gly Cys Ala Lys Asg Val 385 390 395 400 Ala Glu Leu Val Gly Lys Arg Ser Phe Phe Thr Ala Ala Ala Glu Asp 405 410 415 Gly Arg Ala Leu Asp Val Glu Ala Pro Glu Ala Val Ala Glu Ala 425 420

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Lys Arg Asn Gly Val Val Ser Asp Thr Pro Lys Ser Arg Val Asn Trp

130 135 140

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Ala Lys Lys 305	Arg Trp	Glu Ile 310	Pro	Ile	Glu	Glu 315	Val	Asp	Val	Ser	Gly 320
Phe Val Met	Leu Pro 325	Lys Ile	Ser	Thr	Met 330	Arg	Phe	Val	Asp	Glu 335	Ser
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